SPECIFICATION SHEET

lumentouch 2.0™

Client: _____

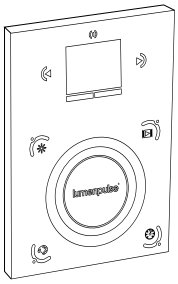
Project name: _____

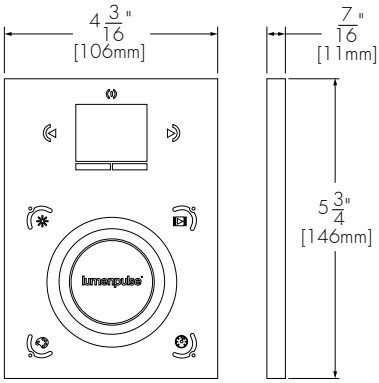
Order #: _____

Type: _____ Qty: _____

FEATURES AND BENEFITS

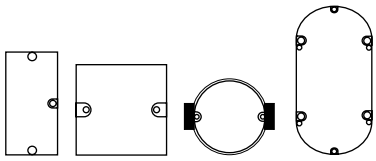
- Flat wall mounted lighting controller
- Can be used without a computer in stand alone mode
- Universal mounting plate compatible with most electrical backboxes
- MINI-USB connection for software programming
- Touch sensitive control panel
- 2 DMX universes (1024 channels)
- Unlimited memory via Micro SDCARD
- Integrated clock/calendar
- RS 232 serial and I/O ports
- Universal infrared receiver
- Standard with ETHERNET card





PACKAGE CONTENT

- Lumentouch hardware (stand alone wall mounted DMX controller)
- Mini-USB cable
- Micro SDCARD and adapter
- 9V DC power supply (120-240V AC input voltage) with connector block for DMX connection
- Compatible with Windows (XP, VISTA and 7, 32-bit or 64-bit)
- PDF User manual available for download on the Lumenpulse website
- Lumenstudio programming software available for download on the Lumenpulse website



Universal back mounting plate
Hole pattern to fit most standard junction boxes
*Extended back boxes are recommended for all installations.

HOW TO ORDER

LTO2

Housing

1

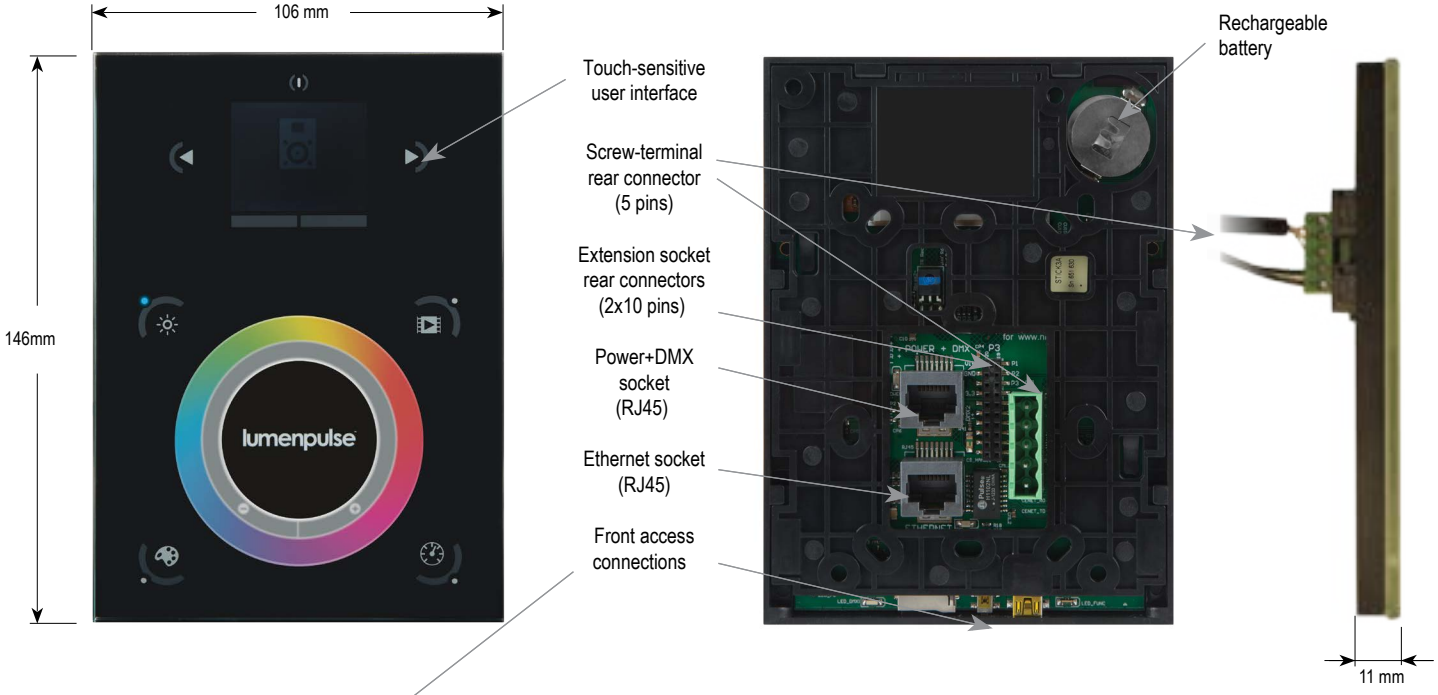
* Please remove protective film before use to ensure proper operation of the controller.

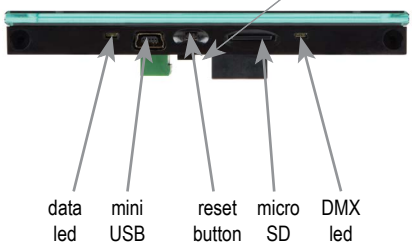
Lumenpulse, 1751 Richardson, Suite 1505, Montreal (Quebec) Canada H3K 1G6 1.877.937.3003 P. 514.937.3003 F. 514.937.6289
info@lumenpulse.com **www.lumenpulse.com**

2014.03.26
EM - R1

lumenpulse™
Sustainable architectural LED lighting systems

CONNECTIONS





Package	Interface, MicroSD card, USB cable
Software	Lumenstudio
Mobile Apps	DMX Lightpad 3 + ARCOLIS on iPhone/iPad/Android
Available colors	Black frame
Standards	EC, EMC, ROHS, ETL, UL (some are in process)
Temperature	-10ºC to 45ºC
Dimensions	146x106x11 mm Complete package 177x146x48 mm
Weight	247 g 8.71 oz Complete package 492 g 17.4 oz

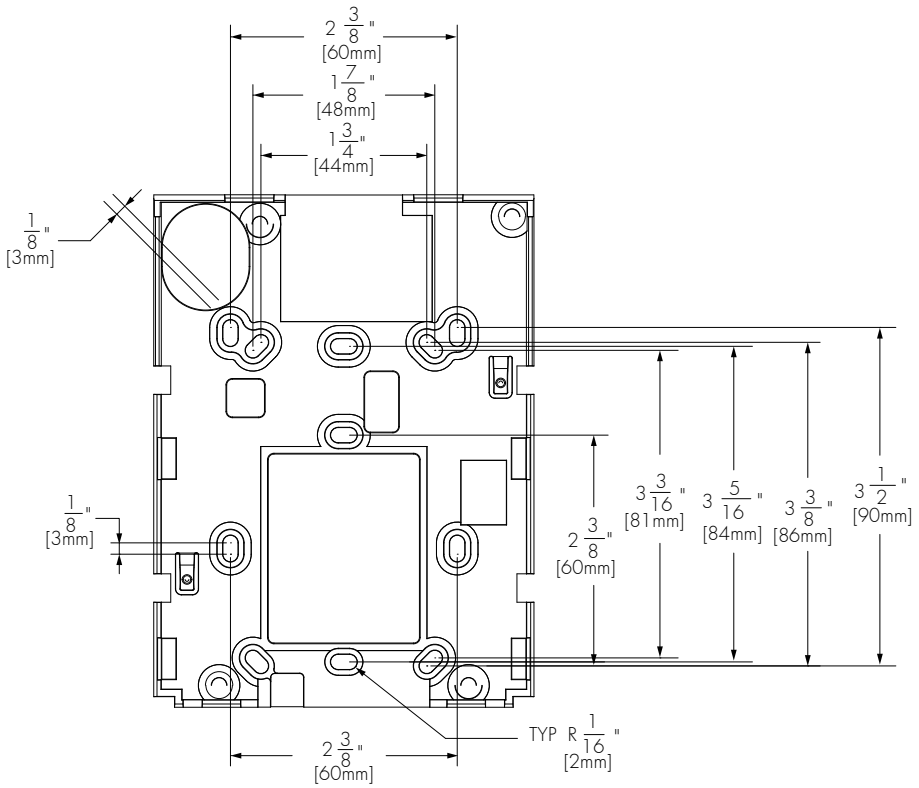
CONNECTION SPECIFICATIONS		Built-in features	Screw-terminal rear connector (5 pins)	Extension socket rear connectors (2x10 pins)	Power+DMX socket (RJ45)	Ethernet socket (RJ45)	Front access connections
Power Supply	6V DC 0.6A, optional. 5.5v max with USB		•		•		USB
DMX Output #1	First universe, 512 channels DMX512 output		•	•	•		
DMX Output #2	Second universe, 512 channels DMX512 output			•	•		
USB	USB communication for PC software						•
Ethernet	Advanced networking features					•	
Ports 1,2,...,8	8 Contact closure inputs, connect to ground for operating			•			
User interface	10 buttons, 1 wheel, 1 color display, 5 leds (Touch-sensitive keypad)	•					power/data leds
SD card	Micro sd card for stand alone memory use (supplied)						•
Reset	Push button for feet operation						•
RS232	RS232 serial communication for external synchronisation			•			
Output relay	Automatic standby 5V signal			•			
Clock	Real-time clock and calendar	•					

Lumenpulse, 1751 Richardson, Suite 1505, Montreal (Quebec) Canada H3K 1G6 1.877.937.3003 P. 514.937.3003 F. 514.937.6289
info@lumenpulse.com **www.lumenpulse.com**

2014.03.26
EM - R1

lumenpulse™
Sustainable architectural LED lighting systems

MOUNTING PATTERN



MOUNTING HOLE PATTERN

*Extended electrical back boxes are recommended for all installations

Lumenpulse, 1751 Richardson, Suite 1505, Montreal (Quebec) Canada H3K 1G6 1.877.937.3003 P. 514.937.3003 F. 514.937.6289
info@lumenpulse.com **www.lumenpulse.com**

2014.03.26
EM - R1

lumenpulse™
Sustainable architectural LED lighting systems

INSTALLATION

EASY INSTALLATION

1. Mount an electrical box inside the wall

The Lumentouch controller can be installed to most standard electrical backboxes. If you use a double size box, you can insert the power supply inside.

2. Connect the wires

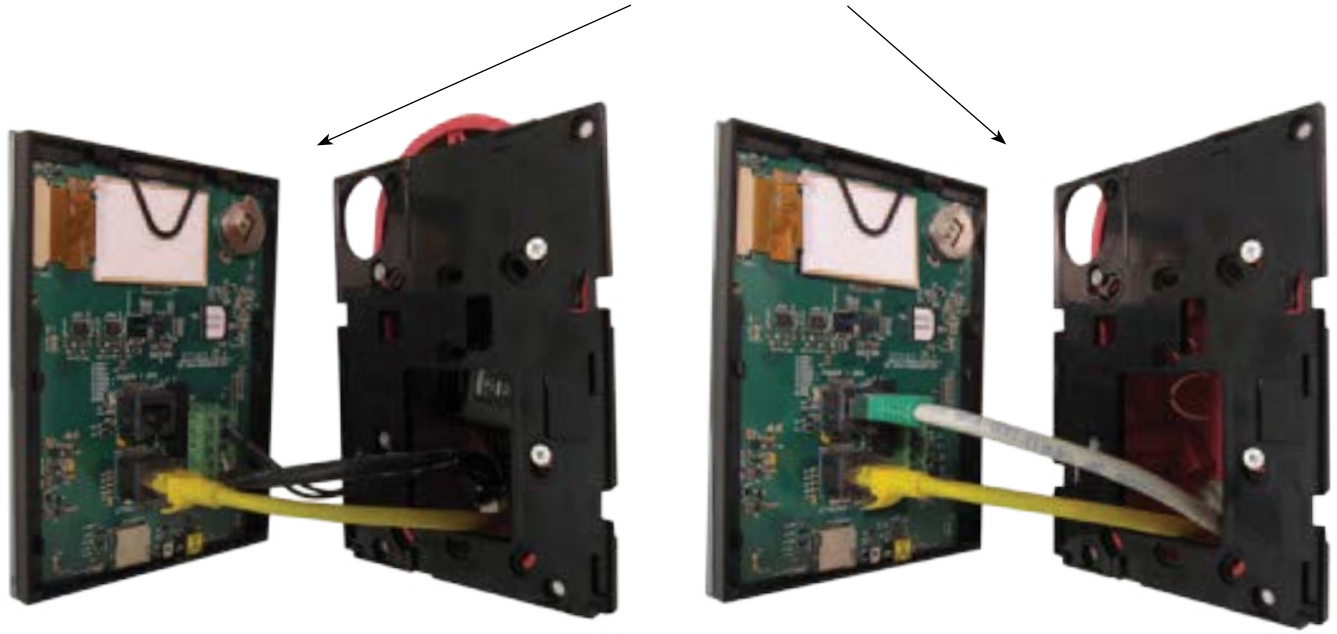
POWER: Connect a 5.5V or 6V DC 0.6A power supply. Be sure to not invert the + and the ground.

DMX: Connect the DMX cable to the lighting receivers (Leds, Dimmers, Fixtures..)
(for XLR: 1=ground 2=dmx- 3=dmx+)

3. Mount the interface on the wall

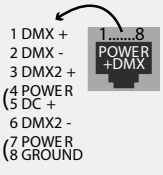
First, mount the back side of the interface on the wall with 2 or more screws

Secondly, plug the connectors :
- Ethernet cable
- DMX and power (connector block or RJ45)



POWER+DMX
WITH THE
CONNECTOR BLOCK

POWER+DMX
WITH THE
RJ45 CABLE



Lumenpulse, 1751 Richardson, Suite 1505, Montreal (Quebec) Canada H3K 1G6 1.877.937.3003 P. 514.937.3003 F. 514.937.6289
info@lumenpulse.com **www.lumenpulse.com**

2014.03.26
EM - R1

lumenpulse™
Sustainable architectural LED lighting systems

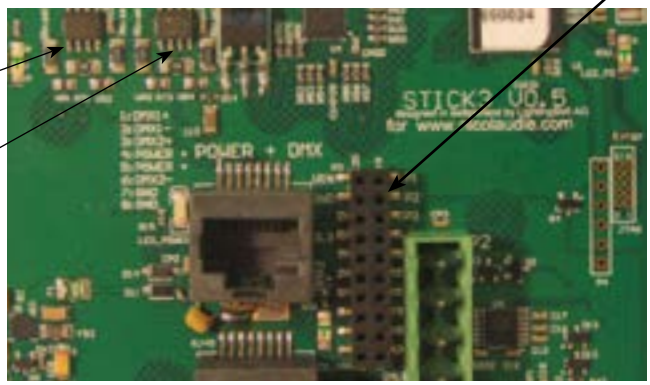
EXTENSION CONNECTORS

DMX CHIPS can be replaced here

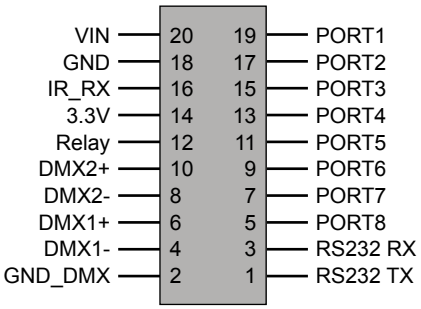
DMX universe #1

DMX universe #2

Ref: SP485ECN-L
MAX485 CSA



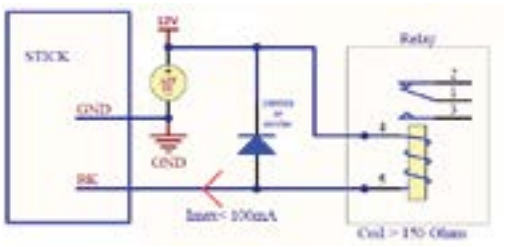
2x10 pins EXTENSION connector



Compatible connectors:
WURTH ELEKTRONIK ref: 61301021121
MOLEX ref: 10-89-7202
TE Connectivity ref: 1-87227-0
FCI ref: 77313-101-20LF
HARWIN ref: M20-9981046
SAMTEC ref: TSW-110-xx-T-D
FARNELL ref: 1841232
RS ref: 763-6754 673-7534 251-8165
MOUSER ref: 538-10-89-7202
DIGIKEY ref: WM26820-ND

BLACKOUT relay (energy saving) using the 2 pins : BK and G (GND)

Example of relay : FINDER
Ref. 22.23.9.012.4000
http://www.findernet.com/fr/products/profiles.php?serie=22&lang=en



RS232 triggering

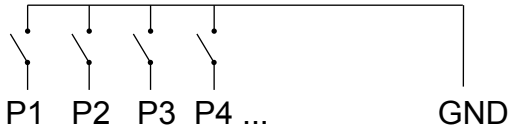
Make a cable using the 3 pins : TX, RX and G (GND)
Set the RS232 parameters to : 9600bds 8 bits, no Parity, 2 Stop bits
(x = scene number)

- To play a scene, send 3 bytes : **1 x 255**
- To stop a scene, send 3 bytes : **2 x 255**
- To pause a scene, send 3 bytes : **3 x 255**
- To release a pause, send 3 bytes : **4 x 255**
- To reset a scene, send 3 bytes : **5 x 255**

Note: the scene number (x) can be from 1 to 40. For instance, 11 means Page B Scene #3

PORT triggering

It is possible to start scenes using the input ports (contact closure). To activate a port, a brief contact must be established between the ports (1...8) and the ground (GND). This is a contact closure so there is no need to hold the connection, it acts like a basic switch.



Lumenpulse, 1751 Richardson, Suite 1505, Montreal (Quebec) Canada H3K 1G6 1.877.937.3003 P. 514.937.3003 F. 514.937.6289
info@lumenpulse.com **www.lumenpulse.com**

2014.03.26
EM - R1

lumenpulse™
Sustainable architectural LED lighting systems